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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 3819-011108

First Inventor Craig E. Boutilier

Title Stochastic Local Search for Combinatorial Auctions

Express Mail Label No. EL562441236US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 19]
(preferred arrangement set forth below)
- Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the invention
 - Brief Summary of the invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages 4]
- a. ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
- b. ☐ (for continuation/divisional with Box 18 completed)
- c. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- a. ☐ Computer Readable Form (CRF)
- b. Specification Sequence Listing on.
- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☐ paper
- c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement of Attorney (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Check for \$355.00

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No. _____

Prior application information Examiner Group Art Unit _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☐ Customer Number or Bar Code Label ☐ Correspondence address below

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Name (Print/Type) Randall A. Norton Registration No. (Attorney/Agent) 36,882
Signature [Signature] Date 7/30/01

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount or time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

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09912164-073001

PATENT APPLICATION TRANSMITTAL LETTER

Commissioner for Patents
Washington, D.C. 20231

Transmitted herewith for filing is the patent application of: Craig E. Boutilier and Holger H. Hoos

Entitled: "Stochastic Local Search for Combinatorial Auctions"

Small Entity Status:

 Small Entity Statement under 37 CFR 1.27 is enclosed
 x Small Entity Status is asserted for this application under 37 CFR 1.27

Enclosed are: x Application 19 pp.
 x Sheet/s of drawing/s 3 pp.
 x Declaration 4 pp.
 Non-Publication Request Under 37 C.F.R. §1.213

CLAIMS AS FILED

	No. Filed	No. Extra	Small Entity Rate	Non-Small Entity Rate	Charge
Total					
Claims	<u>20</u>	<u>-20 = 0</u>	x \$ 9.00	x \$ 18.00	\$ <u>0</u>
Indep.					
Claims	<u>3</u>	<u>-3 = 0</u>	x \$ 40.00	x \$ 80.00	\$ <u>0</u>
Multiple Dependent Claim/s			+ \$135.00	+ \$270.00	\$ <u>0</u>
Basic Fee			+ \$355.00	+ \$710.00	\$ <u>355.00</u>
			Total of above Charges		\$ <u>355.00</u>
			Total Fee		\$ <u>355.00</u>

A check in the amount of \$ 355.00 is enclosed to cover the filing fee.

The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR 1.16 or patent application processing fees under 37 CFR 1.17 associated with this communication to Deposit Account No. 23-0650. Please refund any overpayment to Deposit Account No. 23-0650.

An original and two copies of this sheet are enclosed.

July 30, 2001
Date

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PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF:

ATTORNEY'S DOCKET NUMBER

**CRAIG E. BOUTILIER
HOLGER H. HOOS**

3819-011108

ENTITLED

"Stochastic Local Search for Combinatorial Auctions"

Box Patent Application
Commissioner for Patents
Washington, D.C. 20231

EXPRESS MAIL CERTIFICATE

"Express Mail" Label Number EL562441236US

Date of Deposit July 30, 2001

I hereby certify that the following attached papers and/or fee(s)

UTILITY PATENT APPLICATION TRANSMITTAL (1p.); PATENT APPLICATION TRANSMITTAL LETTER (original and two (2) copies); SPECIFICATION (12 pp.); CLAIMS (6pp.); ABSTRACT (1p.); DRAWINGS (3 sheets); DECLARATION AND POWER OF ATTORNEY (4 pp); and a check in the amount of \$355.00

are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Randall A. Notzen

(Typed name of person mailing paper or fee)

Randall A. Notzen

(Signature of person mailing paper or fee)

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